

**Inventor Name Search Result**

Your Search was:

Last Name = UHLIR-TSANG

First Name = LINDA

Application#	Patent#	Status	Date Filed	Title	Inventor Name 20
<a href="#">60613787</a>	Not Issued	020	09/27/2004	VERSATILE WATER-SOLUBLE DYE-BASED INK-JET INKS	UHLIR-TSANG, LINDA C.
<a href="#">60610922</a>	Not Issued	019	09/17/2004	DYE-BASED INK	UHLIR-TSANG, LINDA C.
<a href="#">60609402</a>	Not Issued	020	09/13/2004	ADDITIVES TO ELIMINATE BRONZING OF INK-JET INKS PRINTED ON PHOTO MEDIA	UHLIR-TSANG, LINDA C.
<a href="#">11109899</a>	Not Issued	020	04/19/2005	INK-JET INKS CONTAINING SULFONATED AROMATIC COMPOUNDS FOR REDUCING OZONE FADE	UHLIR-TSANG, LINDA C.
<a href="#">11080209</a>	Not Issued	020	03/14/2005	AMINE- AND PHTHALOCYANINE DYE-CONTAINING INK-JET INKS WITH IMPROVED OZONE FASTNESS	UHLIR-TSANG, LINDA C.
<a href="#">11076199</a>	Not Issued	020	03/09/2005	DYE SETS FOR INK-JET INK IMAGING	UHLIR-TSANG, LINDA C.
<a href="#">11076167</a>	Not Issued	020	03/09/2005	INK SETS FOR INK-JET INK IMAGING	UHLIR-TSANG, LINDA C.
<a href="#">11071479</a>	Not Issued	020	03/03/2005	DYE-BASED INK	UHLIR-TSANG, LINDA C.
<a href="#">11058697</a>	Not Issued	020	02/14/2005	ADDITIVES TO ELIMINATE BRONZING OF INK-JET INKS PRINTED ON PHOTO MEDIA	UHLIR-TSANG, LINDA C.
<a href="#">11055907</a>	Not Issued	020	02/11/2005	VERSATILE WATER-SOLUBLE DYE-BASED INK-JET INKS	UHLIR-TSANG, LINDA C.
<a href="#">10892623</a>	Not Issued	030	07/16/2004	METALLIZED DYE-BASED INK-JET INKS WITH IMPROVED OZONE FASTNESS	UHLIR-TSANG, LINDA C.
<a href="#">10870844</a>	Not Issued	030	06/16/2004	ADDITIVES TO ELIMINATE BRONZING OF INK-JET INKS	UHLIR-TSANG, LINDA C.
<a href="#">10774917</a>	Not Issued	030	02/06/2004	WEAK BASE MODIFICATION OF POROUS INK-JET MEDIA COATING FOR ENHANCED IMAGE QUALITY	UHLIR-TSANG, LINDA C.
<a href="#">10628903</a>	Not Issued	030	07/28/2003	ADDITIVES TO ELIMINATE BRONZING OF INKJET INK FORMULATIONS ON SPECIALTY QUICK-DRY INKJET PHOTOGRAPHIC MEDIA	UHLIR-TSANG, LINDA C.
<a href="#">10400131</a>	Not	071	03/25/2003	SOLVENT SYSTEMS FOR INK-JET	UHLIR-TSANG, LINDA

	Issued			INKS	C.
10254993	6814789	150	09/24/2002	USE OF ADDITIVES TO REDUCE PUDDLING IN INKJET INKS	UHLIR-TSANG, LINDA C.
10254315	6852153	150	09/24/2002	NONIONIC ADDITIVES TO CONTROL PUDDLING IN INKJET INKS	UHLIR-TSANG, LINDA C.
10208991	Not Issued	161	07/30/2002	USE OF SURFACTANT AND SOLVENT COMBINATIONS WHICH IMPROVE IMAGE PRINT QUALITY IN INKJET INKS	UHLIR-TSANG, LINDA C.
09795331	6669317	150	02/27/2001	PRECURSOR ELECTRICAL PULSES TO IMPROVE INKJET DECEL	UHLIR-TSANG, LINDA C.

Inventor Search Completed: No Records to Display.

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**Inventor Name Search Result**

Your Search was:

Last Name = MOFFATT

First Name = JOHN

Application#	Patent#	Status	Date Filed	Title	Inventor Name 50
<a href="#">60632376</a>	Not Issued	020	12/01/2004	NOVEL MUTATION INVOLVED IN INCREASED TOLERANCE TO IMIDAZOLINONE HERBICIDES IN PLANTS	MOFFATT, JOHN M.
<a href="#">60609402</a>	Not Issued	020	09/13/2004	ADDITIVES TO ELIMINATE BRONZING OF INK-JET INKS PRINTED ON PHOTO MEDIA	MOFFATT, JOHN R.
<a href="#">60140961</a>	Not Issued	159	06/23/1999	PCS WIRELESS ACCESS NETWORK REL.1X	MOFFATT, JOHN
<a href="#">11109899</a>	Not Issued	020	04/19/2005	INK-JET INKS CONTAINING SULFONATED AROMATIC COMPOUNDS FOR REDUCING OZONE FADE	MOFFATT, JOHN R.
<a href="#">11080209</a>	Not Issued	020	03/14/2005	AMINE- AND PHTHALOCYANINE DYE-CONTAINING INK-JET INKS WITH IMPROVED OZONE FASTNESS	MOFFATT, JOHN R.
<a href="#">11071479</a>	Not Issued	020	03/03/2005	DYE-BASED INK	MOFFATT, JOHN R.
<a href="#">11058697</a>	Not Issued	020	02/14/2005	ADDITIVES TO ELIMINATE BRONZING OF INK-JET INKS PRINTED ON PHOTO MEDIA	MOFFATT, JOHN R.
<a href="#">10892623</a>	Not Issued	030	07/16/2004	METALLIZED DYE-BASED INK-JET INKS WITH IMPROVED OZONE FASTNESS	MOFFATT, JOHN R.
<a href="#">10870844</a>	Not Issued	030	06/16/2004	ADDITIVES TO ELIMINATE BRONZING OF INK-JET INKS	MOFFATT, JOHN R.
<a href="#">10854889</a>	Not Issued	030	05/27/2004	EMISSION OF FLUID DROPLET FROM PRINthead WITH COHERENT IRRADIATION	MOFFATT, JOHN R.
<a href="#">10848440</a>	Not Issued	030	05/18/2004	PIGMENTS STABILIZED TO ACID CHALLENGE	MOFFATT, JOHN R.
<a href="#">10824687</a>	Not Issued	020	04/14/2004	POLYMERIC ADDITIVES TO IMPROVE PRINT QUALITY AND PERMANENCE ATTRIBUTES IN INK-JET INKS	MOFFATT, JOHN R.
<a href="#">10774920</a>	Not Issued	030	02/06/2004	SULFUR-CONTAINING INORGANIC MEDIA COATINGS FOR INK-JET APPLICATIONS	MOFFATT, JOHN R.
<a href="#">10672486</a>	Not	071	09/25/2003	PROTECTION OF PRINTED IMAGES	MOFFATT, JOHN R.

	Issued			FROM GASFADE	
<u>10628903</u>	Not Issued	030	07/28/2003	ADDITIVES TO ELIMINATE BRONZING OF INKJET INK FORMULATIONS ON SPECIALTY QUICK-DRY INKJET PHOTOGRAPHIC MEDIA	MOFFATT, JOHN R.
<u>10618217</u>	Not Issued	094	07/11/2003	PROJECTOR AND METHOD	MOFFATT, JOHN MARTIN
<u>10464224</u>	Not Issued	020	06/18/2003	SYSTEM AND METHOD FOR IDENTIFYING ATTRIBUTES OF A PRINTED IMAGE	MOFFATT, JOHN
<u>10422126</u>	Not Issued	030	04/23/2003	SOURCE DOCUMENT GUIDE APPARATUS AND METHOD	MOFFATT, JOHN
<u>10370016</u>	Not Issued	030	02/20/2003	SYSTEMS AND METHODS FOR REMOTE TESTING OF PRINTING DEVICES	MOFFATT, JOHN
<u>10300100</u>	Not Issued	161	11/20/2002	COMBINATION SCANNER/PROJECTOR	MOFFATT, JOHN
<u>10281672</u>	Not Issued	030	10/28/2002	SYSTEMS AND METHODS FOR IMPROVED OPERATION AND TROUBLESHOOTING OF A PRINTING DEVICE	MOFFATT, JOHN
<u>10254993</u>	6814789	150	09/24/2002	USE OF ADDITIVES TO REDUCE PUDDLING IN INKJET INKS	MOFFATT, JOHN R.
<u>10254315</u>	6852153	150	09/24/2002	NONIONIC ADDITIVES TO CONTROL PUDDLING IN INKJET INKS	MOFFATT, JOHN R.
<u>10244127</u>	6767640	150	09/13/2002	ANTI-OZONANTS COVALENTLY ATTACHED TO SILICA GEL FOR USE IN GLOSSY PRINT MEDIA	MOFFATT, JOHN R.
<u>10208996</u>	Not Issued	092	07/30/2002	USE OF CATIONIC SURFACTANT TO IMPROVE PRINT QUALITY OF DYEBASED INKJET INKS	MOFFATT, JOHN R.
<u>10208991</u>	Not Issued	161	07/30/2002	USE OF SURFACTANT AND SOLVENT COMBINATIONS WHICH IMPROVE IMAGE PRINT QUALITY IN INKJET INKS	MOFFATT, JOHN R.
<u>10150431</u>	Not Issued	030	05/17/2002	PROGRAMMABLE PRINTER FUNCTION KEYS	MOFFATT, JOHN
<u>10056556</u>	6786957	150	01/22/2002	AQUEOUS INK-JET INKS FOR PRINTING ON COMMERCIAL OFFSET COATED MEDIA	MOFFATT, JOHN R.
<u>09851659</u>	6602335	150	05/08/2001	PIGMENT SOLUBILIZATION VIA TREATMENT WITH STRONG BASE AND SUBSTITUTION	MOFFATT, JOHN R.
<u>09798704</u>	6478418	150	03/02/2001	INKJET INK HAVING IMPROVED DIRECTIONALITY BY CONTROLLING SURFACE TENSION AND WETTING PROPERTIES	MOFFATT, JOHN R.
<u>09761451</u>	Not Issued	161	01/16/2001	POLYMERIC ADDITIVES TO IMPROVE PRINT QUALITY AND PERMANENCE ATTRIBUTES IN INK-	MOFFATT, JOHN R.

JET INKS					
09702145	6468340	150	10/30/2000	LAKED DYE SOLUBILIZATION WITH COMPLEXING AGENT	MOFFATT, JOHN R.
09687848	6450632	150	10/12/2000	UNDERPRINTING FLUID COMPOSITIONS TO IMPROVE INKJET PRINTER IMAGE COLOR AND STABILITY	MOFFATT, JOHN R.
09190376	6034153	150	11/10/1998	MEDIATION OF WATERFASTNESS IN INK-JET INK COMPOSITIONS BY USING PARTIAL CHEMICALLY-TREATED MACROMOLECULAR CHROMOPHORES (MMCS)	MOFFATT, JOHN R.
09175892	6221932	150	10/20/1998	COVALENT ATTACHMENT OF POLYMERS ONTO MACROMOLECULAR CHROMOPHORES BY NUCLEOPHILIC SUBSTITUTION REACTION FOR INKJET PRINTING	MOFFATT, JOHN R.
09127539	6150433	150	07/31/1998	INK-JET INK COMPOSITIONS CONTAINING MODIFIED MACROMOLECULAR CHROMOPHORES WITH COVALENTLY ATTACHED POLYMERS	MOFFATT, JOHN R.
08961609	5919293	150	10/31/1997	USE OF PERFLUORINATED COMPOUNDS AS A VEHICLE COMPONENT IN INK-JET INKS	MOFFATT, JOHN R.
08960706	5985016	150	10/30/1997	PURIFICATION OF MACROMOLECULAR CHROMOPHORES (MMCS) USING MEMBRANE PROCESSES FOR INK-JET INKS	MOFFATT, JOHN R.
08958948	5891232	150	10/28/1997	SMEARFASTNESS AND FAST DRYING TIMES IN INKS CONTAINING MACROMOLECULAR CHROMOPHORES	MOFFATT, JOHN R.
08160703	5356464	150	12/01/1993	AQUEOUS INK COMPOSITIONS CONTAINING ANTI-CURL AGENTS	MOFFATT, JOHN R.
07877521	Not Issued	161	05/01/1992	AUTOMATIC VOLUME CONTROL SYSTEM	MOFFATT, JOHN K.
07853471	5226957	150	03/17/1992	SOLUBILIZATION OF WATER-INSOLUBLE DYES VIA MICROEMULSIONS FOR BLEEDLESS, NON-THREADING, HIGH PRINT QUALITY INKS FOR THERMAL INK-JET PRINTERS	MOFFATT, JOHN R.
07751369	5106416	150	08/28/1991	BLEED ALLEVIATION USING ZWITTERLONIC SURFACTANTS AND CATIONIC DYES	MOFFATT, JOHN R.
07509253	5061316	150	04/12/1990	PH-INSENSITIVE ANTI-KOGATING AGENT FOR INK-JET PENS	MOFFATT, JOHN R.
07335924	Not	161	04/10/1989	RENIN INHIBITORS	MOFFATT, JOHN G.

	Issued					
06628678	4859765	150	07/06/1984	SYNTHETIC PEPTIDE SEQUENCES USEFUL IN BIOLOGICAL AND PHARMACEUTICAL APPLICATIONS AND METHODS OF MANUFACTURE	MOFFATT, JOHN G.	
06542633	4493795	150	10/17/1983	SYNTHETIC PEPTIDE SEQUENCES USEFUL IN BIOLOGICAL AND PHARMACEUTICAL APPLICATIONS AND METHODS OF MANUFACTURE	MOFFATT, JOHN G.	
06542632	4473555	250	10/17/1983	NONA-AND DODECAPEPTIDES FOR AUGMENTING NATURAL KILLER CELL ACTIVITY	MOFFATT, JOHN G.	
06138391	Not Issued	161	04/08/1980	NOVEL IMMUNOLOGICAL ADJUVANT COMPOUNDS AND METHODS OF PREPARATION THEREOF	MOFFATT, JOHN G.	

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**Inventor Name Search Result**

Your Search was:

Last Name = MOFFATT

First Name = JOHN

Application#	Patent#	Status	Date Filed	Title	Inventor Name 20
09298626	6323257	150	04/23/1999	INK-JET INK COMPOSITIONS CONTAINING REACTIVE MACROMOLECULAR CHROMOPHORES FOR DIGITAL AND TEXTILE PRINTING	MOFFATT, JOHN R.
09251947	6177485	150	02/17/1999	POLYMERS DERIVED FROM UNSATURATED SURFACTANTS FOR USE IN INK-JET INKS	MOFFATT, JOHN R.
09063638	5935309	150	04/20/1998	NNK-JET INKS FOR IMPROVED PRINT QUALITY	MOFFATT, JOHN R.
08955477	5891934	150	10/22/1997	WATERFAST MACROMOLECULAR CHROMOPHORES USING AMPHIPHILES	MOFFATT, JOHN ROBERT
08742789	5830265	150	10/31/1996	COUNTERION SUBSTITUTION IN MACROMOLECULAR CHROMOPHORE (MMC) FOR INK-JET PRINTING INCLUDING TEXTILE, LARGE FORMAT AND OFFICE FORMAT PRINTERS	MOFFATT, JOHN R.
08742137	5785745	150	10/31/1996	AMPHIPHILIC DYES	MOFFATT, JOHN R.
08742097	5749952	150	10/31/1996	PREPARATION OF MICROEMULSION AND MICELLAR COLOR INKS FROM MODIFIED WATER-SOLUBLE COLOR CHROMOPHORES FOR THERMAL INK-JET PRINTING	MOFFATT, JOHN R.
08595555	6086198	150	02/01/1996	BLEED ALLEVIATION BETWEEN TWO INKS	MOFFATT, JOHN R.
08318581	5476540	150	10/05/1994	GEL-FORMING INKS FOR USE IN THE ALLEVIATION OF BLEED	MOFFATT, JOHN R.
08300495	5531817	150	09/01/1994	USE OF HIGH VISCOSITY, MELTABLE GEL INKS FOR CONTROLLING BLEED	MOFFATT, JOHN R.
08233796	5401303	150	04/26/1994	AQUEOUS INKS HAVING IMPROVED HALO CHARACTERISTICS	MOFFATT, JOHN R.
07872705	Not Issued	161	04/16/1992	THERMAL INK-JET INKS WHICH REDUCE PAPER CURL	MOFFATT, JOHN R.
07872204	5207824	150	04/16/1992	FORMULATION FOR CONTROL OF PAPER COCKLE IN THERMAL INK-JET PRINTING	MOFFATT, JOHN R.

<u>07737941</u>	<u>5108504</u>	150	07/29/1991	HIGH CHROMA COLOR DYE-SET FOR USE IN INK-JET INKS EMPLOYING POLYSACCHARIDE-CONTAINING VEHICLES	MOFFATT, JOHN R.
<u>07737101</u>	<u>5133803</u>	150	07/29/1991	HIGH MOLECULAR WEIGHT COLLOIDS WHICH CONTROL BLEED	MOFFATT, JOHN R.
<u>07724649</u>	<u>5108501</u>	150	07/02/1991	BILE SALTS WHICH CONTROL KOGATION IN THERMAL INK-JET INKS	MOFFATT, JOHN R.
<u>07702437</u>	<u>5108505</u>	150	05/16/1991	WATERFAST INKS VIA CYCLODEXTRIN INCLUSION COMPLEX	MOFFATT, JOHN R.
<u>07686731</u>	<u>5116409</u>	150	04/17/1991	BLEED ALLEVIATION IN INK-JET INKS	MOFFATT, JOHN R.
<u>07523969</u>	Not Issued	166	05/16/1990	WATERFAST INKS VIA CYCLODEXTRIN INCLUSION COMPLEX	MOFFATT, JOHN R.

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## Inventor Name Search Result

Your Search was:

Last Name = AUSTIN

First Name = MARY

Application#	Patent#	Status	Date Filed	Title	Inventor Name 15
<a href="#">60609402</a>	Not Issued	020	09/13/2004	ADDITIVES TO ELIMINATE BRONZING OF INK-JET INKS PRINTED ON PHOTO MEDIA	AUSTIN, MARY E.
<a href="#">11076167</a>	Not Issued	020	03/09/2005	INK SETS FOR INK-JET INK IMAGING	AUSTIN, MARY E.
<a href="#">11058697</a>	Not Issued	020	02/14/2005	ADDITIVES TO ELIMINATE BRONZING OF INK-JET INKS PRINTED ON PHOTO MEDIA	AUSTIN, MARY E.
<a href="#">10891574</a>	Not Issued	030	07/14/2004	PIGMENTED INK-JET INKS WITH IMPROVED PRINT QUALITY AND RELIABILITY	AUSTIN, MARY E.
<a href="#">10807025</a>	Not Issued	020	03/22/2004	PIGMENTED INK-JET INKS WITH IMPROVED PRINT QUALITY AND RELIABILITY	AUSTIN, MARY E.
<a href="#">10628903</a>	Not Issued	030	07/28/2003	ADDITIVES TO ELIMINATE BRONZING OF INKJET INK FORMULATIONS ON SPECIALTY QUICK-DRY INKJET PHOTOGRAPHIC MEDIA	AUSTIN, MARY E.
<a href="#">10254993</a>	<a href="#">6814789</a>	150	09/24/2002	USE OF ADDITIVES TO REDUCE PUDDLING IN INKJET INKS	AUSTIN, MARY E.
<a href="#">09848810</a>	<a href="#">6540821</a>	150	05/04/2001	INKJET COLOR INK SET	AUSTIN, MARY E.
<a href="#">09304011</a>	<a href="#">6053969</a>	150	04/30/1999	DYE SET FOR IMPROVED COLOR QUALITY FOR INK-JET PRINTERS	AUSTIN, MARY E
<a href="#">09276219</a>	<a href="#">RE36926</a>	150	03/25/1999	WELDING CONTROL USING FUZZY LOGIC ANALYSIS OF VIDEO IMAGED PUDDLE DIMENSIONS	AUSTIN, MARY A.
<a href="#">08811075</a>	<a href="#">5788754</a>	150	03/03/1997	INK-JET INKS FOR IMPROVED IMAGE QUALITY	AUSTIN, MARY E.
<a href="#">08810568</a>	<a href="#">5858075</a>	150	03/03/1997	DYE SET FOR IMPROVED INK-JET IMAGE QUALITY	AUSTIN, MARY E.
<a href="#">08332633</a>	<a href="#">5614116</a>	150	10/31/1994	WELDING CONTROL USING FUZZY LOGIC ANALYSIS OF VIDEO IMAGED PUDDLE DIMENSIONS	AUSTIN, MARY A.
<a href="#">07312231</a>	<a href="#">D318746</a>	150	02/17/1989	TOOTHPICK DISPENSER	AUSTIN, MARY E.

Inventor Search Completed: No Records to Display.

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L2	2	(("5576088") or ("4163675")).PN.	US-PGPUB; USPAT	OR	OFF	2005/06/20 11:22
L3	454	106/31:27.ccls.	US-PGPUB; USPAT	OR	ON	2005/06/20 11:22
L4	98	106/31.26.ccls.	US-PGPUB; USPAT	OR	ON	2005/06/20 11:22
L5	822	106/31:43.ccls.	US-PGPUB; USPAT	OR	ON	2005/06/20 11:22
L6	661	106/31.75.ccls.	US-PGPUB; USPAT	OR	ON	2005/06/20 11:22
L7	982	106/31:58.ccls.	US-PGPUB; USPAT	OR	ON	2005/06/20 11:22
L8	857	106/31.86.ccls.	US-PGPUB; USPAT	OR	ON	2005/06/20 11:22
L9	293	106/31:47.ccls.	US-PGPUB; USPAT	OR	ON	2005/06/20 11:22
L10	271	106/31.77.ccls.	US-PGPUB; USPAT	OR	ON	2005/06/20 11:23
L11	29	428/32:15.ccls.	US-PGPUB; USPAT	OR	ON	2005/06/20 11:23
L12	245	428/32.34.ccls.	US-PGPUB; USPAT	OR	ON	2005/06/20 11:23
L13	1	ink and ph and pka and (bronzing or bronze)	DERWENT	OR	ON	2005/06/20 11:23



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## Dissociation Constants Of Organic Acids And Bases

C11H8O2, 1-Naphthoic acid, 25, 3.70. C11H8O2, 2-Naphthoic acid, 25, 4.17. C11H11N, Methyl-1-naphthylamine, 27, 3.67. C11H12N2O2, Tryptophan, 1, 25, 2.46 ...  
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 Solubility and Hansen Parameters  
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## Title page for ETD 362

In the first part of this research, adsorption of quinoline (**pKa** = 4.92) and ... With respect to **1-naphthoic acid**, sorption increased with the addition of ...  
[etda.libraries.psu.edu/theses/approved/PSUonlyIndex/ETD-362/](http://etda.libraries.psu.edu/theses/approved/PSUonlyIndex/ETD-362/) - 8k -  
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 Acidities (**pKa**) and 1-octanol/water distribution coefficients (logP) of ... model compound, **naphthoic acid**, was used to perform catalytic tests and a serial ...  
[www.dreamweaverproductions.net/wrm2003/geochem\\_abs.pdf](http://www.dreamweaverproductions.net/wrm2003/geochem_abs.pdf) - Similar pages

## [PPT] งานนำเสนอ PowerPoint

File Format: Microsoft Powerpoint 97 - [View as HTML](#)  
**-naphthoic acid**. panawan. การเรียกชื่อ dicarboxylic acid ... Stronger acid. **pKa**. **pKa**. C1CH2CH2CH2COOH 4.52. CH3CH(Cl)CH2COOH 4.05 ...  
[chemsci.kku.ac.th/panawan/slides/webacid47.pps](http://chemsci.kku.ac.th/panawan/slides/webacid47.pps) - Jun 18, 2005 - Similar pages

## Group of Solution Equilibria and Chemometrics University of ...

Protonation equilibria of 3-hydroxy-2-naphthoic acid in dioxane-water solution: effect of the solvent composition and of the ionic strength of the medium. ...  
[www.ub.es/gesq/pub/gemma.html](http://www.ub.es/gesq/pub/gemma.html) - 49k - Cached - Similar pages

## Dissolution kinetics of carboxylic acids II: effect of buffers.

The dissolution behavior of 2-naphthoic acid from rotating compressed disks into ... Using intrinsic solubilities, **pKa** values, and diffusion coefficients, ...  
[www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&list\\_uids=7229926&dopt=Abstract](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&list_uids=7229926&dopt=Abstract) - Similar pages.  
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## Dissolution kinetics of carboxylic acids I: effect of pH under ...

The dissolution behavior of benzoic acid, 2-naphthoic acid, ... Using previously determined intrinsic solubilities, **pKa** values, and diffusion coefficients, ...  
[www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&list\\_uids=7229925&dopt=Abstract](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&list_uids=7229925&dopt=Abstract) - Similar pages.  
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## EP1014200 Fuji european software patent - Method of developing ...

Of these reducing agents, the sulfurous acid salts are especially superior in ... acid, 2-hydroxy-1-naphthoic acid, 1-naphthoic acid, and 2-naphthoic acid. ...  
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## [PDF] Effect of OH- Concentration on Alkaline Hydrolysis of Diphenyl (4 ...

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 It was found that 3-iodoso-2-naphthoic acid is better catalyst ... Then **pKa** value was determined by graphical derivation of the pH vs NaOH ...  
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## Patent 4356109: Method for preparing microcapsules

(2) **Organic Acids** (having a **pKa**.ltoreq.5) For example, formic acid, acetic acid, propionic acid, acrylic acid, benzoic acid, naphthoic acid, oxalic acid, ...  
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# Dissociation Constants Of Organic Acids And Bases

This table lists the acid-base dissociation constants of over 600 organic compounds, including many amino acids. All data apply to dilute aqueous solutions and are presented in the form of  $pK_a$ , which is the negative of the logarithm of the acid dissociation constant  $K_a$ .

Molecular formula	Name	Step	$T_I^{\circ}\text{C}$	$pK_a$
CH <sub>2</sub> O <sub>2</sub>	Formic acid		20	3.75
CH <sub>4</sub> N <sub>2</sub> O	Urea		21	0.10
CH <sub>5</sub> N	Methylamine		25	10.63
C <sub>2</sub> HCl <sub>3</sub> O <sub>2</sub>	Trichloroacetic acid		25	0.70
C <sub>2</sub> H <sub>2</sub> Cl <sub>2</sub> O <sub>2</sub>	Dichloroacetic acid		25	1.48
C <sub>2</sub> H <sub>2</sub> O <sub>3</sub>	Glyoxylic		25	3.18
C <sub>2</sub> H <sub>2</sub> O <sub>4</sub>	Oxalic acid	1	25	1.23
		2	25	4.19
C <sub>2</sub> H <sub>3</sub> BrO <sub>2</sub>	Bromoacetic acid		25	2.69
C <sub>2</sub> H <sub>3</sub> ClO <sub>2</sub>	Chloroacetic acid		25	2.85
C <sub>2</sub> H <sub>3</sub> IO <sub>2</sub>	Iodoacetic acid		25	3.12
C <sub>2</sub> H <sub>4</sub> OS	Thioacetic acid		25	3.33
C <sub>2</sub> H <sub>4</sub> O <sub>2</sub>	Acetic acid		25	4.76
C <sub>2</sub> H <sub>4</sub> O <sub>3</sub>	Glycolic acid		25	3.83
C <sub>2</sub> H <sub>5</sub> N	Ethyleneimine		25	8.01
C <sub>2</sub> H <sub>5</sub> NO	Acetamide		25	0.63
C <sub>2</sub> H <sub>5</sub> NO <sub>2</sub>	Glycine	1	25	2.35
		2	25	9.78
C <sub>2</sub> H <sub>6</sub> O <sub>2</sub>	Ethylene glycol		25	14.22
C <sub>2</sub> H <sub>7</sub> AsO <sub>2</sub>	Cacodylic acid	1	25	1.57
		2	25	6.27
C <sub>2</sub> H <sub>7</sub> N	Dimethylamine		25	10.68
C <sub>2</sub> H <sub>7</sub> N	Ethylamine		25	10.70
C <sub>2</sub> H <sub>7</sub> NO	Ethanolamine		25	9.50
C <sub>2</sub> H <sub>7</sub> NO <sub>3</sub> S	Taurine	1	25	1.5
		2	25	9.061
C <sub>2</sub> H <sub>7</sub> NS	Cysteamine	1	25	8.35
		2	25	10.81
C <sub>2</sub> H <sub>8</sub> N <sub>2</sub>	1,2-Ethanediamine	1	0	10.712
		2	0	7.564
C <sub>3</sub> H <sub>3</sub> NO <sub>2</sub>	Cyanoacetic acid		25	2.45
C <sub>3</sub> H <sub>3</sub> NS	Thiazole		20	2.44
C <sub>3</sub> H <sub>4</sub> N <sub>2</sub>	1H-Imidazole		25	6.953
C <sub>3</sub> H <sub>4</sub> N <sub>2</sub> S	2-Thiazolamine		20	5.36
C <sub>3</sub> H <sub>4</sub> O <sub>2</sub>	Acrylic acid		25	4.25

C3H4O3	Pyruvic acid		25	2.39
C3H4O4	Malonic acid	1	25	2.83
		2	25	5.69
C3H5ClO2	2-Chloropropanoic acid		25	2.83
C3H5ClO2	3-Chloropropanoic acid		25	3.98
C3H6N6	Melamine		25	5.00
C3H6O2	Propanoic acid		25	4.86
C3H6O3	3-Hydroxypropanoic acid		25	4.51
C3H6O3	Lactic acid		100	3.08
C3H6O4	Glyceric acid		25	3.52
C3H7N	Azetidine		25	11.29
C3H7NO2	<i>L</i> -Alanine	1	25	2.34
		2	25	9.87
C3H7NO2	$\beta$ -Alanine	1	25	3.55
		2	25	10.24
C3H7NO2	Methylglycine	1	25	2.21
		2	25	10.12
C3H7NO2S	Cysteine	1	25	1.92
		2	25	8.37
		3	25	10.70
C3H7NO3	Serine	1	25	2.19
		2	25	9.21
C3H7NO5S	<i>L</i> -Cysteic acid	1	25	1.3
		2	25	1.9
		3	25	8.70
C3H7N3O2	Glycocyamine		25	2.82
C3H8O3	Glycerol		25	14.15
C3H9N	Propylamine		20	10.60
C3H9N	Trimethylamine		25	9.80
C3H9NO	1-Amino-2-methoxyethane		10	9.89
C3H9NO	Trimethylamine oxide		25	4.65
C3H10N2	1,2-Propanediamine	1	25	9.82
		2	25	6.61
C3H10N2	1,3-Propanediamine	1	10	10.94
		2	10	9.03
C3H11N3	1,2,3-Triaminopropane	1	20	9.59
		2	20	7.95
C4H4N2	Pyrazine		27	0.65
C4H4N2	Pyridazine		20	2.24
C4H4N2O3	Barbituric acid		25	4.01
C4H4N2O5	Alloxanic acid		25	6.64
C4H4N4O2	5-Nitropyrimidinamine		20	0.35
C4H4O4	<i>trans</i> -Fumaric acid	1	18	3.03
		2	18	4.44
C4H4O4	Maleic acid	1	25	1.83
		2	25	6.07

C4H4O5	Oxaloacetic acid	1	25	2.22
		2	25	3.89
		3	25	13.03
C4H5N3	2-Pyrimidinamine		20	3.45
C4H6N2	1-Methylimidazol		25	6.95
C4H6N4O3	Allantoin		25	8.96
C4H6O2	3-Butenoic acid		25	4.34
C4H6O2	<i>trans</i> -Crotonic acid		25	4.69
C4H6O3	Acetoacetic acid		18	3.58
C4H6O3	2-Oxobutanoic acid		25	2.50
C4H6O4	Methymalonic acid	1	25	3.07
		2	25	5.76
C4H6O4	Succinic acid	1	25	4.16
		2	25	5.61
C4H6O5	Malic acid	1	25	3.40
		2	25	5.11
C4H6O6	$\alpha$ -Tartaric acid	1	25	2.98
		2	25	4.34
C4H6O6	<i>meso</i> -Tartaric acid	1	25	3.22
		2	25	4.82
C4H6O8	Dihydroxytartaric acid		25	1.92
C4H7ClO2	2-Chlorobutanoic acid		RT	2.86
C4H7ClO2	3-Chlorobutanoic acid		RT	4.05
C4H7ClO2	4-Chlorobutanoic acid		RT	4.52
C4H7NO2	4-Cyanobutanoic acid		25	2.42
C4H7NO3	N-Acetylglycine		25	3.669
C4H7NO4	Aspartic acid	1	25	1.99
		2	25	3.90
		3	25	9.90
C4H7N3O	Creatinine	1	25	4.83
		2		9.2
C4H8N2O3	Asparagine	1	20	2.17
		2	20	8.80
C4H8N2O3	N-Glycylglycine		25	3.139
C4H8O2	Butanoic acid		25	4.83
C4H8O2	2-Methylpropanoic acid		25	4.88
C4H8O3	3-Hydroxybutanoic acid		25	4.70
C4H8O3	4-Hydroxybutanoic acid		25	4.72
C4H9N	Pyrrolidine		25	11.27
C4H9NO	Morpholine		25	8.33
C4H9NO2	2-Aminobutanoic acid	1	25	2.29
		2	25	9.83
C4H9NO2	4-Aminobutanoic acid	1	25	4.031
		2	25	10.556
C4H9NO2	<i>N,N</i> -Dimethylglycine		25	9.89
C4H9NO2	2-Methylalanine	1	25	2.36

C4H9NO2S	Homocysteine	2	25	10.21
		1	25	2.22
		2	25	8.87
		3	25	10.86
C4H9NO3	Homoserine	1	25	2.71
		2	25	9.62
C4H9NO3	<i>DL</i> -Methoxyalanine		25	2.037
C4H9NO3	Threonine	1	25	2.09
		2	25	9.10
C4H9N3O2	Creatine	1	25	2.63
		2	25	14.3
C4H10N2	Piperazine	1	23	9.83
		2	23	5.56
C4H10N2O2	2,4-Diaminobutanoic acid	1	25	1.85
		2	25	8.24
		3	25	10.44
C4H11N	Butylamine		20	10.77
C4H11N	<i>sec</i> -Butylamine		25	10.56
C4H11N	<i>tert</i> -Butylamine		25	10.68
C4H11N	Diethylamine		40	11.02
C4H12N2	1,4-Butanediamine	1	20	10.80
		2	20	9.35
C4H12O2	1,2-Dimethylaminoethane	1	25	10.40
		2	25	8.26
C5H4BrN	3-Bromopyridine		25	2.84
C5H4CIN	3-Chloropyridine		25	2.84
C5H4N4	Purine	1	20	2.30
		2	20	8.96
C5H4N4O3	Uric acid		12	3.89
C5H5N	Pyridine		25	5.25
C5H5NO	4-Pyridinol	1	20	3.20
		2	20	11.12
C5H5NO	2(1H)-Pyridinone	1	20	0.75
		2	20	11.65
C5H5N5	1H-Purin-6-amine	1	25	4.12
		2	25	9.83
C5H6N2	2-Methylpyrazine		27	1.45
C5H6N2	2-Pyridinamine		20	6.82
C5H6N2	4-Pyridinamine		25	9.114
C5H6O4	1,1-Cyclopropanedicarboxylic acid	1	25	1.82
		2	25	7.43
C5H6O4	Itaconic acid	1	25	3.85
		2	25	5.45
C5H6O4	Mesaconic acid	1	25	3.09
		2	25	4.75
C5H6O5	2-Oxoglutaric acid	1	25	2.47

		2	25	4.68
C5H7NO3	L-2-Pyrrolidone-5-carboxylic acid		25	3.32
C5H7N3	Methylaminopyrazine		25	3.39
C5H7N3	2,5-Pyridinediamine		20	6.48
C5H8N2	2,4-Dimethylimidazzol		25	8.36
C5H8O4	Dimethylmalonic acid		25	3.15
C5H8O4	Glutaric acid	1	25	4.31
		2	25	5.41
C5H8O4	Methylsuccinic acid	1	25	4.13
		2	25	5.64
C5H9NO2	Proline	1	25	1.952
		2	25	10.64
C5H9NO3	5-Aminolevulinic acid	1	25	4.05
		2	25	8.90
C5H9NO3	<i>trans</i> -4-Hydroxyproline	1	25	1.818
		2	25	9.662
C5H9NO3	8-Hydroxypurine	1	20	2.56
		2	20	8.26
C5H9NO4	L-Glutamic acid	1	25	2.13
		2	25	4.31
C5H9N3	Histamine	1	25	6.04
		2	25	9.75
C5H10N2O2	Diaminopimelic acid	1	25	1.8
		2	25	2.2
		3	25	8.8
		4	25	9.9
C5H10N2O3	L-Glutamine	1	25	2.17
		2	25	9.13
C5H10N2O3	Glycylalanine		25	3.15
C5H10N2O4	Glycylserine	1	25	2.98
		2	25	8.38
C5H10O2	2-Methylbutanoic acid		25	4.80
C5H10O2	3-Methylbutanoic acid		25	4.77
C5H10O2	Pentanoic acid		25	4.84
C5H10O2	Trimethylacetic acid		25	5.03
C5H11N	<i>N</i> -Methylpyrrolidine		25	10.32
C5H11N	Piperidine		25	11.123
C5H11NO2	5-Aminopentanoic acid	1	25	4.27
		2	25	10.766
C5H11NO2	Betaine		0	1.83
C5H11NO2	Norvaline	1	25	2.32
		2	25	9.81
C5H11NO2	<i>N</i> -Propylglycine	1	25	2.35
		2	25	10.19
C5H11NO2	Valine	1	25	2.29
		2	25	9.74

C5H11NO2S	Methionine	1	25	2.13
		2	25	9.27
C5H12N2O2	Ornithine	1	25	1.705
		2	25	8.69
		3	25	10.76
C5H13N	1-Aminno-2,2-dimethylpropane		25	10.15
C5H13N	Diethylmethylamine		25	10.35
C5H13N	3-Methyl-1-butanamine		25	10.60
C5H13N	2-Methyl 2-butanamine		19	10.85
C5H13N	3-Pantanamine		17	10.59
C5H13N	Pentylamine		25	10.63
C5H14NO	Choline		25	13.9
C5H14N2	Cadaverine	1	25	10.05
		2	25	10.93
C6H3CIN4	6-Cbloropteridine		20	3.68
C6H3N3O7	Picric acid		25	0.38
C6H4Cl2O	2,3-Dichlorophenol		25	7.44
C6H4N2O3	5-Hydroxylysine		25	2.13
C6H4N2O5	2,4-Dinitrophenol		15	3.96
C6H4N2O5	3,6-Dinitrophenol		15	5.15
C6H4N4	Pteridine		20	4.05
C6H5Br2N	3,5-Dibromoaniline		25	2.34
C6H5CIO	2-Chlorophenol		25	8.49
C6H5CIO	3-Chlorophenol		25	8.85
C6H5CIO	4-Chlorophenol		25	9.18
C6H5CI2N	2,4-Dichloroaniline		22	2.05
C6H5NO	2-Pyridinecarboxaldehyde		20	3.80
C6H5NO2	Nitrobenzene		0	3.98
C6H5NO2	Picolinic acid	1	25	1.07
		2	25	5.25
C6H5NO2	3-Pyridinecarboxylic acid		25	4.85
C6H5NO2	4-Pyridinecarboxylic acid		25	4.96
C6H5NO3	2-Nitrophenol		25	7.17
C6H5NO3	3-Nitrophenol		25	8.28
C6H5NO3	4-Nitrophenol		25	7.15
C6H5N5O	2-Amino-4-hydroxypteridine	1	20	2.27
		2	20	7.96
C6H5N5O2	Xanthopterin	2	20	6.59
		3	20	9.31
C6H6BrN	2-Bromoaniline		25	2.53
C6H6BrN	3-Bromoaniline		25	3.58
C6H6BrN	4-Bromoaniline		25	3.86
C6H6CIN	2-Chloroaniline		25	2.65
C6H6CIN	3-Chloroaniline		25	3.46
C6H6CIN	4-Chloroaniline		25	4.15
C6H6FN	2-Fluoroaniline		25	3.20

C6H6FN	3-Fluoroaniline	25	3.50
C6H6FN	4-Fluoroaniline	25	4.65
C6H6IN	2-Iodoaniline	25	2.60
C6H6N2O	2-Pyridinecarboxaldehyde,oxime	20	3.59
	2	20	10.18
C6H6N2O2	2-Nitroaniline	25	-0.26
C6H6N2O2	3-Nitroaniline	25	2.466
C6H6N2O2	4-Nitroaniline	25	1.0
C6H6O	Phenol	20	9.89
C6H6O2	Hydroquinone	20	10.35
C6H6O2	Pyrocatechol	20	9.85
C6H6O2	Resorcinol	25	9.81
C6H6O3S	Benzenesulfonic acid	25	0.70
C6H6O6	cis-Aconitic acid	25	1.95
C6H6O6	trans-Aconitic acid	1	2.80
	2	25	4.46
C6H7N	Aniline	25	4.63
C6H7N	2-Methylpyridine	20	5.97
C6H7N	3-Methylpyridine	20	5.68
C6H7N	4-Methylpyridine	20	6.02
C6H7NO	Methoxypyridine	25	6.47
C6H7NO3S	<i>o</i> -Aminobenzenesulfonic acid	25	2.48
C6H7NO3S	<i>m</i> -Aminobenzenesulfonic acid	25	3.73
C6H7NO3S	<i>p</i> -Aminobenzenesulfonic acid	25	3.24
C6H8N2	N-Methylpyridinamine	20	9.65
C6H8O6	Ascorbic acid	1	4.10
	2	16	11.79
C6H8O7	Citric acid	1	3.14
	2	20	4.77
	3	20	6.39
C6H8O7	Isocitric acid	1	3.29
	2	25	4.71
	3	25	6.40
C6H9NO6	$\gamma$ -Carboxyglutamic acid	1	1.7
	2	25	3.2
	3	25	4.75
	4	25	9.9
C6H9N3	4,6-Dimethylpyrimidinamine	20	4.82
C6H9N3O2	Histidine	1	1.80
	2	25	6.04
	3	25	9.33
C6H10O3	2-Oxo-3-methylpentanoic acid	25	2.3
C6H10O4	Adipic acid	1	4.43
	2	25	5.41
C6H10O4	3-Methylglutaric acid	25	4.24
C6H11NO2	<i>L</i> -Pipelicolic acid	1	2.28

		2	25	10.72
C6H11NO3	Adipamic acid		25	4.63
C6H11NO4	2-Amino adipic acid	1	25	2.14
		2	25	4.21
		3	25	9.77
C6H11N3O4	Glycylasparagine	1	25	2.942
		2	18	8.44
C6H11N3O4	<i>N</i> -( <i>N</i> -Glycylglycyl)glycine	1	25	3.225
		2	25	8.09
C6H12N2O4S2	Cystine	1	35	2.1
		2	35	8.0
C6H12O2	Hexanoic acid		25	4.85
C6H12O2	4-Methylpentanoic acid		18	4.84
C6H13N	Cyclohexylamine		24	10.66
C6H13N	1,2-Dimethylpyrrolidine		26	10.20
C6H13N	1-Methylpiperidine		25	10.08
C6H13NO2	6-Aminohexanoic acid	1	25	4.373
		2	25	10.804
C6H13NO2	Isoleucine	1	25	2.32
		2	25	9.76
C6H13NO2	<i>L</i> -Leucine	1	25	2.328
		2	25	9.744
C6H13NO2	Norleucine	1	25	2.335
		2	25	9.83
C6H13N3O3	Citrulline	1	25	2.43
		2	25	9.69
C6H14N2	<i>cis</i> -1,2-Cyclohexanediamine	1	20	9.93
		2	20	6.13
C6H14N2	<i>trans</i> -1,2-Cyclohexanediamine	1	20	9.94
		2	20	6.47
C6H14N2	2,5-Dimethylpiperazine	1	25	9.66
		2	25	5.20
C6H14N2O2	Lysine	1	25	2.16
		2	25	9.06
		3	25	10.54
C6H14N4O2	Arginine	1	25	1.82
		2	25	8.99
		3	25	12.48
C6H15N	3-Amino-3-methylpentane		16	11.01
C6H15N	Diisopropylamine		25	11.05
C6H15N	Hexylamine		25	10.56
C6H15N	Triethylamine		25	10.75
C6H16N2	Hexamethylenediamine	1	0	11.857
		2	0	10.762
C7H5BrO2	2-Bromobenzoic acid		25	2.84
C7H5BrO2	3-Bromobenzoic acid		25	3.86

C7H5ClO2	2-Chlorobenzoic acid	25	2.92
C7H5ClO2	3-Chlorobenzoic acid	25	3.82
C7H5ClO2	4-Chlorobenzoic acid	25	3.98
C7H5IO2	2-Iodobenzoic acid	25	2.85
C7H5IO2	3-Iodobenzoic acid	25	3.80
C7H5NO3S	Saccharin	18	11.68
C7H5NO4	Dinicoticinic acid	25	2.80
C7H5NO4	Dipicolinic acid	1	2.16
		2	4.76
C7H5NO4	Lutidinic acid	25	2.15
C7H5NO4	2-Nitrobenzoic acid	18	2.16
C7H5NO4	3-Nitrobenzoic acid	25	3.47
C7H5NO4	4-Nitrobenzoic acid	25	3.41
C7H5NO4	Quinolinic acid	1	2.43
		2	4.78
C7H6N2	Benzimidazole	25	5.532
C7H6N4O	6-Hydroxy-4-methylpteridine	1	4.08
		2	6.41
C7H6O2	Benzoic acid	25	4.19
C7H6O3	<i>o</i> -Hydroxy-4-methylpteridine	1	2.97
		2	13.40
C7H6O3	<i>m</i> -Hydroxybenzoic acid	1	4.06
		2	9.92
C7H6O3	<i>p</i> -Hydroxybenzoic acid	1	4.48
		2	9.32
C7H6O4	2,5-Dihydroxybenzoic acid	1	2.97
C7H6O4	3,4-Dihydroxybenzoic acid	1	4.48
		2	8.83
		3	12.6
C7H6O4	3,5-Dihydroxybenzoic acid	1	4.04
C7H6O4	Dihydroxymalic acid	25	1.92
C7H6O5	Gallic acid	25	4.41
C7H6O5	2,4,6-Trihydroxybenzoic acid	25	1.68
C7H7NO2	2-Aminobenzoic acid	1	2.108
		2	4.946
C7H7NO2	3-Aminobenzoic acid	2	4.78
C7H7NO2	4-Aminobenzoic acid	1	2.501
		2	4.874
C7H8N4O2	Theobromine	18	7.89
C7H8O	<i>o</i> -Cresol	25	10.20
C7H8O	<i>m</i> -Cresol	25	10.01
C7H8O	<i>p</i> -Cresol	25	10.17
C7H9N	Benzylamine	25	9.33
C7H9N	2,3-Dimethylpyridine	25	6.57
C7H9N	2,4-Dimethylpyridine	25	6.99
C7H9N	2,5-Dimethylpyridine	25	6.40

C7H9N	2,6-Dimethylpyridine	25	6.65	
C7H9N	3,4-Dimethylpyridine	25	6.46	
C7H9N	3,5-Dimethylpyridine	25	6.15	
C7H9N	2-Ethylpyridine	25	5.89	
C7H9N	<i>N</i> -Methylaniline	25	4.84	
C7H9N	<i>o</i> -Methylaniline	25	4.44	
C7H9N	<i>m</i> -Methylaniline	25	4.73	
C7H9N	<i>p</i> -Methylaniline	25	5.08	
C7H9NO	<i>o</i> -Anisidine	25	4.52	
C7H9NO	<i>m</i> -Anisidine	25	4.23	
C7H9NO	<i>p</i> -Anisidine	25	5.34	
C7H9NS	4-Methylthioaniline	25	4.35	
C7H9N5	2-Dimethylaminopurine	1	20	4.00
		2	20	10.24
C7H11N3O2	<i>l</i> -1-Methylhistidine	1	25	1.69
		2	25	6.48
		3	25	8.85
C7H11N3O2	<i>l</i> -3-Methylhistidine	1	25	1.92
		2	25	6.56
		3	25	8.73
C7H12O2	Cyclohexanecarboxylic acid	25	4.90	
C7H12O4	Heptanedioic acid	1	25	4.71
		2	25	5.58
C7H13NO	3-Acetyl piperidine	25	3.18	
C7H13NO4	$\alpha$ -Ethylglutamic acid	1	25	3.846
		2	25	7.838
C7H14O2	Heptanoic acid	25	4.89	
C7H15N	1,2-Dimethylpiperidine	25	10.22	
C7H15N	1-Ethylpiperidine	23	10.45	
C7H15NO3	Carnitine	25	3.80	
C7H17N	2-Heptanamine	19	10.7	
C7H17N	Heptylamine	25	10.67	
C8H6N2	Cinnoline	20	2.37	
C8H6N2	Quinazoline	20	3.43	
C8H6N2	Quinoxaline	20	0.56	
C8H6N2O	5-Hydroxyquinazoline	1	20	3.62
		2	20	7.41
C8H6O4	<i>o</i> -Phthalic acid	1	25	2.89
		2	25	5.51
C8H6O4	<i>m</i> -Phthalic acid	1	25	3.54
		2	18	4.60
C8H6O4	<i>p</i> -Phthalic acid	1	25	3.51
		2	16	4.82
C8H6O4	Terephthalic acid	25	3.51	
C8H7ClO2	2-Chlorophenylacetic acid	25	4.07	
C8H7ClO2	3-Chlorophenylacetic acid	25	4.14	

C8H7ClO2	4-Chlorophenylacetic acid	25	4.19
C8H7ClO3	2-Chlorophenoxyacetic acid	25	3.05
C8H7ClO3	3-Chlorophenoxyacetic acid	25	3.10
C8H7NO4	2-Nitrophenylacetic acid	25	4.00
C8H7NO4	3-Nitrophenylacetic acid	25	3.97
C8H7NO4	4-Nitrophenylacetic acid	25	3.85
C8H8N2	2-Methylbenzimidazole	25	6.19
C8H8O2	Phenylacetic acid	18	4.28
C8H8O2	<i>o</i> -Toluic acid	25	3.91
C8H8O2	<i>m</i> -Toluic acid	25	4.27
C8H8O2	<i>p</i> -Toluic acid	25	4.36
C8H8O3	<i>D,L</i> -Mandelic acid	25	3.85
C8H8O4	Homogentisic acid	25	4.40
C8H9NO2	2-(Methylamino)benzoic acid	25	5.34
C8H9NO2	3-(Methylamino)benzoic acid	25	5.10
C8H9NO2	4-(Methylamino)benzoic acid	25	5.04
C8H9NO2	Phenylglycine	1	25
		2	25
			4.39
C8H10BrN	4-Bromo- <i>N,N</i> -dimethylaniline	25	4.23
C8H10CIN	3-Chloro- <i>N,N</i> -dimethylaniline	20	3.83
C8H10CIN	4-Chloro- <i>N,N</i> -dimethylaniline	20	4.39
C8H10N2O2	<i>N,N</i> -Dimethyl-3-nitroaniline	25	2.62
C8H11N	<i>N,N</i> -Dimethylaniline	25	5.15
C8H11N	<i>N</i> -Ethylaniline	24	5.12
C8H11N	Phenylethylamine	25	9.84
C8H11N	2,4,6-Trimethylpyridine	25	7.43
C8H11NO	<i>o</i> -Phenetidine	28	4.43
C8H11NO	<i>m</i> -Phenetidine	25	4.18
C8H11NO	<i>p</i> -Phenetidine	28	5.20
C8H11NO	Tyramine	1	25
		2	25
			10.52
C8H11NO2	Dopamine	1	25
		2	25
			10.6
C8H11NO3	Noradrenaline	1	25
		2	25
			9.70
C8H12N2O3	Veronal	25	7.43
C8H14O4	Octanedioic acid	25	4.52
C8H16N2O3	<i>N</i> -Glycylleucine	25	3.18
C8H16N2O3	<i>N</i> -Leucylglycine	1	25
		2	25
			8.2
C8H16N2O4S2	Homocystine	1	25
		2	25
		3	25
		4	25
			9.44
C8H16O2	Octanoic acid	25	4.89
C8H17N	2,2,4-Trimethylpiperidine	30	11.04
C8H19N	Dibutylamine	21	11.25

C8H19N	<i>N</i> -Methyl-2-heptanamine	17	10.99	
C8H19N	Octylamine	25	10.65	
C9H6BrN	3-Bromoquinoline	25	2.69	
C9H7ClO2	<i>o</i> -Chlorocinnamic acid	25	4.23	
C9H7ClO2	<i>m</i> -Chlorocinnamic acid	25	4.29	
C9H7ClO2	<i>p</i> -Chlorocinnamic acid	25	4.41	
C9H7N	Isoquinoline	20	5.42	
C9H7N	Quinoline	20	4.90	
C9H7NO	7-Isoquinolinol	1	20	5.68
		2	20	8.90
C9H7NO	3-Quinolinol	1	20	4.28
		2	20	8.08
C9H7NO	8-Quinolinol	1	20	5.017
		2	25	9.812
C9H7NO3	<i>o</i> -Cyanophenoxyacetic acid	25	2.98	
C9H7NO3	<i>m</i> -Cyanophenoxyacetic acid	25	3.03	
C9H7NO3	<i>p</i> -Cyanophenoxyacetic acid	25	2.93	
C9H8N2	1-Isoquinolinamine	20	7.59	
C9H8N2	3-Quinolinamine	20	4.91	
C9H8O2	<i>cis</i> -Cinnamic acid	25	3.89	
C9H8O2	<i>trans</i> -Cinnamic acid	25	4.44	
C9H9ClO2	3-(2-Chlorophenyl)propanoic acid	25	4.58	
C9H9ClO2	3-(3-Chlorophenyl)propanoic acid	25	4.59	
C9H9ClO2	3-(4-Chlorophenyl)propanoic acid	25	4.61	
C9H9I2NO3	3,5-Diiodotyrosine	1	25	2.12
		2	25	5.32
		3	25	9.48
C9H9NO3	Hippuric acid	25	3.62	
C9H9NO4	3-(2-Nitrophenyl)propanoic acid	25	4.50	
C9H9NO4	3-(4-Nitrophenyl)propanoic acid	25	4.47	
C9H10INO3	3-Iodotyrosine	1	25	2.2
		2	25	8.7
		3	25	9.1
C9H10N2	2-Ethylbenzimidazole	25	6.18	
C9H10O2	Mesitylenic acid	25	4.32	
C9H10O2	$\alpha$ -Phenylpropanoic acid	25	4.64	
C9H10O2	$\beta$ -Phenylpropanoic acid	25	4.37	
C9H11N	<i>N</i> -Allylaniline	25	4.17	
C9H11N	1-Aminoindane	22	9.21	
C9H11NO2	Phenylalanine	1	25	2.20
		2	25	9.31
C9H11NO3	Tyrosine	1	25	2.20
		2	25	9.21
		3	25	10.46

C9H11NO4	<i>L</i> -3,4-Dihydroxyphenylalanine	1	25	2.32
		2	25	8.72
		3	25	9.96
		4	25	11.79
C9H12N2O2	Tyrosineamide		25	7.33
C9H13NO3	<i>D</i> -Adrenaline	1	25	8.66
		2	25	9.95
C9H14N4O3	<i>N</i> - $\beta$ -Alanylhistidine	1	20	2.73
		2	20	6.87
		3	20	9.73
C9H14N4O3	<i>L</i> -Carnosine	1	25	2.62
		2	25	6.66
		3	25	9.24
C9H18O2	Nonanic acid		25	4.96
C9H19N	1-Butylpiperidine		23	10.47
C9H19N	2,2,6,6-Tetramethylpiperidine		25	11.07
C9H21N	Nonylamine		25	10.64
C10H7NO2	8-Quinolinecarboxylic acid		25	1.82
C10H8O	1-Naphthol		25	9.34
C10H8O	2-Naphthol		25	9.51
C10H9N	2-Methylquinoline		20	5.83
C10H9N	4-Methylquinoline		20	5.67
C10H9N	5-Methylquinoline		20	5.20
C10H9N	$\alpha$ -Naphthylamine		25	3.92
C10H9N	$\beta$ -Naphthylamine		25	4.16
C10H9NO	1-Amino-6-hydroxynaphthalene		25	3.97
C10H9NO	6-Methoxyquinoline		20	5.03
C10H10O2	<i>o</i> -Methylcinnamic acid		25	4.50
C10H10O2	<i>m</i> -Methylcinnamic acid		25	4.44
C10H10O2	<i>p</i> -Methylcinnamic acid		25	4.56
C10H12N2	Tryptamine		25	10.2
C10H12N2O	5-Hydroxytryptamine	1	25	9.8
		2	25	11.1
C10H12O2	4-Phenylbutanoic acid		25	4.76
C10H12O3	2-( <i>m</i> -Anisyl)propanoic acid		25	4.65
C10H12O3	2-( <i>p</i> -Anisyl)propanoic acid		25	4.69
C10H12O3	2-( <i>o</i> -Anisyl)propanoic acid		25	4.80
C10H14N2	Nicotine	1	25	8.02
		2	25	3.12
C10H15N	<i>N,N</i> -Diethylaniline		22	6.61
C10H15NO	<i>d</i> -Ephedrine		10	10.139
C10H15NO	<i>l</i> -Ephedrine		10	9.958
C10H17N3O6S	<i>l</i> -Glutathione	1	25	2.12
		2	25	3.59
		3	25	8.75
		4	25	9.65

C10H17N5O6	Tetraglycylglycine	1	20	3.10
		2	20	8.02
C10H18N4O5	L-Argininosuccinic acid	1	25	1.62
		2	25	2.70
		3	25	4.26
		4	25	9.58
C10H19N	Bornylamine		25	10.17
C10H19N	Neobornylamine		25	10.01
C10H21N	Butylcyclohexylamine		25	11.23
C10H23N	Decylamine		25	10.64
C11H8N2	Perimidine		20	6.35
C11H8O2	1-Naphthoic acid		25	3.70
C11H8O2	2-Naphthoic acid		25	4.17
C11H11N	Methyl-1-naphthylamine		27	3.67
C11H12N2O2	Tryptophan	1	25	2.46
		2	25	9.41
C11H16N2O2	Pilocarpine		30	6.87
C11H25N	Undecylamine		25	10.63
C12H8N2	1,10-Phenanthroline		25	4.84
C12H11N	2-Aminobiphenyl		22	3.82
C12H11N	2-Benzylpyridine		25	5.13
C12H11N	Diphenylamine		25	0.79
C12H11N3	4-Aminoazobenzene		25	2.82
C12H12N2	p-Benzidine	1	30	4.66
		2	30	3.57
C12H13N	N,N-Dimethyl-1-naphthylamine		25	4.83
C12H13N	N,N-Dimethyl-2-naphthylamine		25	4.566
C12H27N	Dodecylamine		25	10.63
C13H9N	Acridine		20	5.58
C13H9N	Phenanthridine		20	5.58
C13H10N2	2-Phenylbenzimidazole	1	25	5.23
		2	25	11.91
C13H10O2	2-Phenylbenzoic acid		25	3.46
C13H12N2O	4-( <i>p</i> -Aminobenzoyl)aniline	1	25	2.93
C13H13N	4-Benzylamine		25	2.17
C13H29N	Tridecylamine		25	10.63
C14H12O2	Diphenylacetic acid		25	3.94
C14H15N3	4-Dimethylaminoazobenzene		25	3.226
C14H31N	Tetradecylamine		25	10.62
C15H11I4NO4	L-Thyroxine	1	25	2.2
		2	25	6.45
		3	25	10.1
C15H33N	Pentadecylamine		25	10.61
C16H35N	Hexadecylamine		25	10.63
C17H19NO3	Morphine		25	8.21
C18H21NO3	Codeine		25	8.21

C18H39N	Octadecylamine	25	10.60
C20H21NO4	Papaverine	25	6.40
C20H24N2O2	Quinine	1	25
		2	25
C21H22N2O2	Strychnine	25	8.26
C23H26N2O4	Brucine	1	25
			8.28

## References

1. Perrin, D. D., *Dissociation Constants of Organic Bases in Aqueous Solution*, Butterworths, London, 1965; Supplement, 1972.
2. Serjeant, E. P., and Dempsey, B., *Ionization Constants of Organic Acids in Aqueous Solution*, Pergamon, Oxford, 1979.
3. Albert, A., "Ionization Constants of Heterocyclic Substances", in *Physical Methods in Heterocyclic Chemistry*, Katritzky, A. R., Ed., Academic Press, New York, 1963.
4. Sober, H. A., Ed., *CRC Handbook of Biochemistry*, CRC Press, Cleveland, Ohio, 1968.
5. Perrin, D. D., Dempsey, B., and Serjeant, E. P., *pK<sub>a</sub> Prediction for Organic Acids and Bases*, Chapman & Hall, London, 1981.
6. Dawson, R. M. C., Elliot, D. C., Elliot, W. H., and Jones, K. M., *Data for Biochemical Research*, Oxford Science Publications, Oxford, 1986.